

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims

1. – 7. (Canceled)

8. (Currently Amended) A playback apparatus, comprising:

a virtual machine [[unit]] operable to execute an application that is recorded in a recording medium;

a playback control engine [[unit]] operable to play back a digital stream that is recorded in the recording medium; and

an application manager operable to cause the virtual machine [[unit]] to execute the application when a life cycle of the application is reached, and at a same time, to cause the playback control engine [[unit]] to play back the digital stream in accordance with management information that is recorded in the recording medium.

9. – 18. (Canceled)

19. (Currently Amended) A computer readable recording medium in which a computer readable application, a life cycle specifying an executable period of the computer readable application, a digital stream, and management information including information indicating playback control information of the digital stream that is performed during the life cycle, are recorded, the computer readable application, the life cycle, the digital stream, and the management information being ~~program that is~~ read into a computer that includes a virtual machine [[unit]] operable to execute [[an]] a computer readable application that is recorded in [[a]] the computer readable recording medium, and a playback control engine [[unit]] operable to play back [[a]] the digital stream that is recorded in the computer readable recording medium, the

computer readable recording medium, being read into the computer, program causing the computer to ~~execute the steps of~~:

cause ~~causing~~ the virtual machine unit to execute the computer readable application when ~~[[a]]~~ the life cycle of the computer readable application is reached, and simultaneously at the same time

cause ~~causing~~ the playback control engine ~~[[unit]]~~ to play back the digital stream in accordance with the playback control information of the digital stream that is performed during the life cycle indicated in the information of the management information that is recorded in the computer readable recording medium and that is read into the computer.

20. (Currently Amended) A playback method for a computer that includes a virtual machine ~~[[unit]]~~ operable to execute an application that is recorded in a recording medium, and a playback control engine ~~[[unit]]~~ operable to play back a digital stream that is recorded in the recording medium, the playback method causing the computer to ~~execute the steps of~~:

cause ~~causing~~ the virtual machine ~~[[unit]]~~ to execute the application when a life cycle of the application is reached, and simultaneously at the same time

cause ~~causing~~ the playback control engine ~~[[unit]]~~ to play back the digital stream in accordance with management information that is recorded in the recording medium.

21. (Canceled)

22. (New) A computer for playing back the digital stream while executing the computer readable application which is recorded in the computer readable recording medium according to claim 19.

23. (New) A recording method, comprising:

recording in a computer readable recording medium, a computer program

written in a programming language, a life cycle specifying an executable period of the computer program, a digital stream, and management information indicating playback control information of the digital stream that is performed during the life cycle, wherein

the computer program, the digital stream, the life cycle, and the management information are read into a computer that includes a virtual machine operable to execute the computer program when the life cycle of the computer program is reached, and

a playback control engine operable to play back the digital stream during the life cycle of the executing computer program in accordance with the management information.